NPIC/IPD-81/67
24 February 1967

MEMORANDUM FOR THE RECORD

SUBJECT: Development Objective--Digital Control Console for Use
          with an On-Line Measuring System

      1. The following personnel met to discuss content of subject
Development Objective on 15 February 1967:

      a. From TDS:

          (1)

          (2)

      b. Fro

      c. Fro

          (1)

          (2)

      2. Discussion elaborated upon the technical characteristics of
the proposed equipment, its intended use within NPIC, possible con-
flict with implementation of IIS concepts under contract to ____ and
the procurement time frame within which the Development Objective was
to be effective.

      3. No attempt will be made to summarize the technical charac-
teristics of the equipment other than to state that TDS had included
capabilities deemed appropriate for fairly precise PI mensuration.

      4. Important to ____ consideration, however, was the fact
that the proposed equipment was to provide a test model for experi-
mental use by PI's. Feedback of PI reaction to use (or elimination)
of various equipment options would provide the basis for further
development/modification or rejection of the prototype idea. It was
generally agreed that no modification should be made to the _____
concept or to the current ____ contractual effort.

Declass Review by NGA.

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X1

5.   The mensuration device intended for use by the PI (as
envisioned in the ☐ conceptual design of the IIS) is to provide
a relatively unsophisticated shaft position encoding device to
generate a digital indication of relative microscope crosshair
position which can be transmitted to a computer for calculation
purposes.   The results are to be reported back to the PI on a CRT,
KSR, or printer.   It is not intended to provide the level of men-
suration capability required by TID.

6.   TDS representatives estimated that the equipment outlined
in their Development Objective could be procured within six months
after contract approval since it involved an assembly of off-the-
shelf hardware readily available.

25

Systems Branch, IPD

Attachment:
  Record of Telephone Conversation

Distribution:
  Orig - ☐ File
    1 - IPD/SYB
    1 - TDS (Attn: ☐)

X1

X1

ATTACHMENT

Record of Telephone Conversation from _____   25X

X1   20 February 1967

X1   1. _____ called relative to 15 February 1967 discussion
of Development Objective proposed by TDS. On further reflection,
he stated that he had changed his earlier opinion and that he now
felt the human interface with the ____ conceived device would be   25X
sufficiently different from that with the TDS experimental proto-
type to preclude use of the latter to fully check out the ____   25X
X1   concept from a human factors viewpoint. _____ recommended   25X
and _____ concurred that both lines of development proceed
concurrently until the superiority of one over the other is estab-
X1   lished. This recommendation is made considering the low cost
(less than _____ of developing the ____ proposed prototype.   25X

          2. Because of the current NPIC interest in this item of hard-
X1   ware, _____ proposed accelerated effort in the investigation
of the Phase II task related to this subject (Task 1e).

                                                                          25X

24 Feb	SEC. CL. S	ORIGIN IPD			CONTROL NO. IPD-81/67	
DATE OF DOC	DATE REC'D 28 Feb	DATE OUT	SUSPENSE DATE		CROSS REFERENCE OR POINT OF FILING	
TO MEMO FOR THE RECORD FROM SUBJ. Development Obj. - Digital Control Console for Use with an On-Line Measuring System					ROUTING	DATE SENT
					JAP	
					C/DS	
CONTROL NO	ANSWERED		NO REPLY			4

25X1

CENTER ROUTING SLIP

FROM			DATE 24 February 1967

TO	INITIALS	DATE	REMARKS
DIR			
DEP/DIR			
EXEC/DIR			
TECH ADV			
SPECIAL ASST			
ASST FOR P&M			
CH/SS			
●T FOR OPS			
ASST FOR PA			
ASST FOR P&D	X		See me.
CH/CSD			
CH/IPD			F.F.
CH/PD			I think we
CH/PSD			should send H.H
CH/TID			a memo asking what
●			equipment (specifies)
CH/CIA/IAD			is going to
CH/DIA/XX-4			develope
CH/DIA/AP-IP			
CH/SPAD			
LO/CGS/CIA			
LO/NSA			

IP FM 30 (5-66) DESTROY PREVIOUS EDITIONS